

MATERIAL DATA SHEET



Grade FP40BZ

Product Description

This Compound is non-free flow compound containing Bronze Filler (40 % by weight) blended in PTFE Resin

Physical Properties

Property	Test Method	Units	Value
Bulk Density	ASTM D 4745	g/cc	
Specific Gravity	ASTM D 4745		2.90-3.10
Hardness	ASTM D 2240	Shore D	60-65
Tensile Strength	ASTM D 4745	Psi	2500
Elongation	ASTM D 4745	%	270
Diametrical Shrinkage	INTERNAL	%	
Recommended Moulding Pressure			400-500
Max. Sintering Temperature			365-370° C

Product Advantages:

Bronze filled PTFE Contains a copper/tin alloy providing a better creep resistance than most of the PTFE alloys. It exhibits improved thermal conductivity with high load bearing capacity and hence is most often used in Hydraulic Systems . Bronze enhances dimensional stability due to improved hardness, compressive strength and resistance to creep. It can not be used in contact with Oxidizing Agents

Typical Applications:

- Bearing ,
- Support slides of heavy loads subject to several shocks
- Compressor Piston Rings
- Valve Seats and plugs
- Hydraulic Seals

Delivery Process:

The material is sealed in two-layer plastic bag inside a rigid 40 kg drum. It is highly recommended to condition resin at 18°C for 10 hrs prior to processing to achieve optimal properties

Note: Technical Information, test data and advice provided by Fluoropolymer Blends are based on information and tests we believe to be reliable and are intended for persons with knowledge and technical skills enough to analyse test types and apply adequate safety factors for the given application. Because actual application conditions vary widely, these values are intended for comparative purposes only and the suitability of this material is ultimately left to the end user.

FluoropolymerBlends

Plot No 486 , Road No 87 , Jubilee Hills , Hyderabad – 500 033, Telangana State

Email : fluoropolymerblends@gmail.com.

Mobile No 98480 27315 / 966 666 9504 , Visit us @ www.fluoropolymerblends.com